



DERBIPURE® TECHNOLOGY



DERBIGUM®
MAKING BUILDINGS SMART

Nothing is more powerful than an idea

whose time has come.

(Victor Hugo)



Greennovation: Part of our DNA

Sustainable products

Derbigum did not wait for Kyoto.

For more than 20 years now, Derbigum has been intensively engaged in the research and development of new and sustainable products. As of today, the company continues to seek alternative compositions for its products, using raw materials that lead to lower CO₂ emissions. Global warming and the CO₂ problem are currently at their peak. In response, Derbigum is proud to present a range of sustainable products. A world first, Derbigum launched a liquid product range that is free of solvents and volatile organic compounds (VOCs).

Greennovation

Recycling without any loss of quality

Since 1999 Derbigum has recycled some 4,000 ton of bitumen per year. Bitumen suffers no loss in quality – you can compare it to gold which is melted down and recast – and is thus perfectly suited for the production of new membranes. Derbigum strives to realize a 100% utilization of recycled and organic materials during production. This combination ensures that the final product is, in turn, completely recyclable.



90 years durability

Derbigum roofs retire at 90

Whereas other roof coverings need replacing after just 15 years, Derbigum membranes are still going strong after 45 years. The application of a new layer will even increase the lifespan to as much as 90 years! This has been demonstrated by independent studies. After this long lifecycle, the old roof coverings can again be processed into first quality roofing membranes.





DERBIPURE : pure vegetable

Shortage induces creativity

Petroleum is neither a renewable nor an inexhaustible raw material. Its shortage incites Derbigum to innovate continuously. Thus Derbigum launched a few years ago the research for alternative vegetable raw materials. This research for a vegetable roofing membrane fits perfectly into Derbigum's « greenovation® » strategy.



Vegetable roofing membrane



DERBIPURE:

a revolutionary step, a non-bituminous vegetable roofing membrane.

«Green» on the inside

The membrane's raw material is mainly composed of « green » substances, this makes Derbipure the first vegetable roofing membrane in the world. Thanks to its ecological composition of vegetable oils and resins, this roofing membrane offers a pure and safe future.

White on top, Cool underneath !

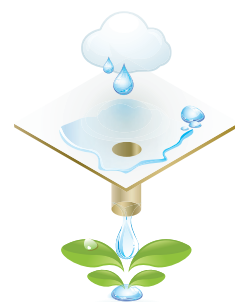
The Derbipure membrane is not only « green » on the inside. Derbipure is the first white roofing membrane with a base of organic raw material, without the use of bitumen. The superior white top coating guarantees 81% of reflectivity of the sunrays, which results in an optimal passive cooling of the building's interior. The white colour of Derbipure reflects the sunrays, thus reducing in summer the temperature underneath a flat roof with 5°C or even more.

Strong, reflective and durable

Derbipure is reinforced with a composite armature, soaked with a highly reflective acrylic coating.

Pure rainwater

Have you ever wondered how much water is drained off a roof ? The quantity is enormous. Therefore it is very important that no harmful substance is transported from the roof into the environment. Thanks to Derbipure's pH-neutral coating, the rainwater can be drained off into nature without any risk. This water can also be recycled for sanitary purposes.





A large step with a small footprint

The high quality standard remains

The optimal combination of ecological components gives this membrane a very high quality.

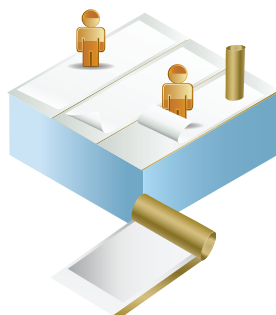
On the quality level, Derbipure can stand the comparison to any other roofing membrane of its generation. Derbipure has in fact the same characteristics and qualities as its "bituminous brother" Derbibrute NT®.

Eco technology

The technology that backs up Derbipure is patented. The aim is that in the long run this patented technology will allow us to replace all the bituminous products by an ecological alternative.

The time has come !

In short, on the roofing market Derbipure is a full and ecological alternative for bituminous roofing. This market is constantly growing thanks to the many ecological builders and architects. In the world of waterproofing Derbipure is a milestone with a worldwide impact.



Minimal ecological footprint

Derbipure combines green raw material with a white roof covering. The passive cooling effect allows energy savings. Once applied on the roof it reduces CO₂ production during its entire life span. The organic and highly reflective Derbipure reduces energy consumption and enhances comfort. The long lifespan of a Derbipure roof in combination with all its ecological characteristics and its production with low CO₂ emission make that its ecological footprint is considerably reduced.

Cradle to Cradle acknowledgement

With this white vegetable membrane we write history. Unique, according to the international scientific research institute EPEA (Environmental Protection Encouragement Agency) that awarded it with the Cradle to Cradle® certification.



BRONZE



DERBIGUM: a green and experienced partner

More than 80 years of experience and know-how

Derbigum began in Belgium as a family business in 1932. Derbigum has grown to become a well-respected global group specialized in roofing and waterproofing. Derbigum is now also very active in greennovation of buildings by offering customized solutions to reduce energy consumptions, produce renewable energy and decrease the carbon footprint of buildings.

A few figures:

- 4 production facilities: 2 in Belgium (Lot & Perwez), 1 in Germany (Haßfurt) and 1 in the USA (Kansas City)
- 420 employees worldwide
- 600 million m² of roofs covered throughout the world
- 10.000 references over 30 years old
- 4000 tons of recycled material per year

A few of our references:

D'leteren - Skyshop Zaventem - University Ghent, campus "De Sterre" - Viangros - Vlaamse Media Maatschappij - Daikin - Volvo trucks - Honda Europe - Creneau - Kim's chocolate - Jogrex - Volvo - Sint-Elizabeth Hospital - Sint-Victorinstituut - Lamborghini car dealer - Novelis - Metro - Henkel Schaumweine - König - Bosch Rexroth - Velux - Smiths Medical - Unicoop - shopping center - Ipercoop - ABB - Henkel - Glaxo - Whirlpool Europe SRL - Italtack - Italscania - Peroni Spa - Telecom - Nexlogic - KPN Orange - Yamaha Motor Distribution - Fokker Elmo - Greif - Industrial packaging - Case - Western Reserve Univ - Carnegie Mellon University - Life Care Hospital - Tumwater Office Building - Baxter Health Care - White Memorial Hospital - Wells Fargo Bank - BMC Truss Manufacturing - Macy's Department Store - Baxter Health Care - Tulsa Zoo - Anheuser Busch, Inc. - Chelsea Foods...





Derbigum aims to be the reference provider of sustainable solutions that safeguard buildings from the elements of nature.



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